

Regulator for balancing heating circuits in large systems closes zone choke valve when zone thermostat indicates demanded temp. has been reached, closes it when defined temp. drop signaled

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Abstract of DE19911866

The system has several zones, a path (6) for each zone and a circulation pump that interacts with the valves of each path and with the thermostats. All paths are connected at their inputs to the feed distributor (7) via mechanically actuated, continuously controllable choke valves (4). The distributor has input and output temp. sensors (5,15). The choke valves are regulated for identical, minimal cooling. The temp. difference for a path is held above a defined value by choking the path. The choke valve for a zone is closed as soon as the zone's thermostat indicates that the demanded temp. has been reached and is closed as soon as it signals a defined temp. drop

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